

AMENDMENTS

IN THE CLAIMS:

Please amend claims 1 and 31, and cancel claim 2 as indicated in the following listing of claims.

LISTING OF CLAIMS:

1. (currently amended) A foam composed of a high-temperature-resistant thermoplastic selected from the group consisting of polyether sulfones, polysulfones, polyether ketones, polyether ether ketones, polyether ketone ketones, polyethersulfonamides, and mixtures of these, and having an open-cell structure, wherein the open-cell factor for the foam is at least 75%, and wherein the foam has a cell size of from 50 to 2000 μm .
- 2 – 4. (canceled)
5. (previously amended) A foam as claimed in claim 1, wherein the plastic has a glass transition temperature above 170°C.
- 6–13. (cancelled)
14. (previously presented) A molding, in particular a sheet, comprising an open-cell foam as claimed in claim 1.
- 15–23. (cancelled)
24. (previously presented) A foam as claimed in claim 1, wherein the open-cell factor for the foam is at least 85%.
25. (previously presented) A foam as claimed in claim 1, wherein the open-cell factor for the foam is at least 90%.
26. (previously presented) A foam as claimed in claim 1, which has a cell size of from 100 to 1000 μm .
27. (previously presented) A foam as claimed in claim 1, which has a cell size of from 100 to 800 μm .
28. (previously presented) A foam as claimed in claim 1, which has a density of from 20 to 200 g/l.
29. (previously presented) A foam as claimed in claim 1, which has a density of from 20 to 150 g/l.

30. (previously presented) A foam as claimed in claim 1, which has a density of from 30 to 100 g/l.
31. (currently amended) A foam as claimed in claim ~~2~~ 1, which has a density of from 20 to 200 g/l.
32. (previously presented) A foam as claimed in claim 26, which has a density of from 20 to 150 g/l.
33. (previously presented) A foam as claimed in claim 27, which has a density of from 30 to 100 g/l.
34. (previously presented) A foam as claimed in claim 1, wherein the plastic has a glass transition temperature above 180°.
35. (previously presented) A foam as claimed in claim 1, wherein the plastic has a glass transition temperature above 200°.
36. (previously presented) A foam as claimed in claim 1, wherein the plastic is thermoplastically extrudable at temperatures above 280°.
37. (previously presented) A foam as claimed in claim 1, wherein the plastic is thermoplastically extrudable at temperatures above 300°.
38. (previously presented) A foam as claimed in claim 1, wherein the plastic is thermoplastically extrudable at temperatures above 320°.
39. (previously presented) A foam as claimed in claim 5, wherein the plastic is thermoplastically extrudable at temperatures above 280°.
40. (previously presented) A foam as claimed in claim 34, wherein the plastic is thermoplastically extrudable at temperatures above 300°.
41. (previously presented) A foam as claimed in claim 35, wherein the plastic is thermoplastically extrudable at temperatures above 320°.